

SEQUENCE LISTING

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MORETTA, ALESSANDRO
OLCESE, LUCIA
VELY, FREDERIC
TOMASELLO, ELENA



<120> NEW POLYPEPTIDES ASSOCIATED WITH ACTIVATORY RECEPTORS
AND THEIR BIOLOGICAL APPLICATIONS

<130> 1721-18

<140> 09/403,980

<141> 2000-01-19

<150> PCT/FR98/00883

<151> 1998-04-30

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<151> 1998-01-28

<160> 44

<170> PatentIn Ver. 2.1

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<221> CDS

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tcc gtg agc cct ggt gta ctg tct ggg att gtt ctg ggt gac ttg gtg 218
Ser Val Ser Pro Gly Val Leu Ser Gly Ile Val Leu Gly Asp Leu Val
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ttg act ctg ctg att gcc ctg gct gtg tac tct ctg ggc cgc ctg gtc 266
Leu Thr Leu Leu Ile Ala Leu Ala Val Tyr Ser Leu Gly Arg Leu Val
30 35 40

tcc cga ggt caa ggg aca gcg gaa ggg acc cgg aaa caa cac att gct 314
Ser Arg Gly Gln Gly Thr Ala Glu Gly Thr Arg Lys Gln His Ile Ala

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50

55

gag act gag tgc cct tat cag gag ctt cag ggt cag aga cat gaa gta 362
 Glu Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg His Glu Val
 60 65 70 75

tac agt gac ctc aac aca cag agg caa tat tac aga tgagcccact 408
 Tyr Ser Asp Leu Asn Thr Gln Arg Gln Tyr Tyr Arg
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ctatgcccat cagcggcctg atgcccggat ccggtcattc cagatgccta ctcaacaagc 468
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 <213> Mus musculus

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 35 40 45
 Thr Ala Glu Gly Thr Arg Lys Gln His Ile Ala Glu Thr Glu Ser Pro
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<213> Mus musculus

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<212> DNA

<213> Mus musculus

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<211> 171

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<213> Mus musculus

<220>

<221> MOD_RES

<222> (133)

<223> Any amino acid

<400> 11

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1

5

10

15

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 Val Leu Leu Thr Val Gly Gly Leu Ser Pro Val Gln Ala Gln Ser Asp
 35 40 45
 Thr Phe Pro Arg Cys Asp Cys Ser Ser Val Ser Pro Gly Val Leu Ser
 50 55 60
 Gly Ile Val Leu Gly Asp Leu Val Leu Thr Leu Leu Ile Ala Leu Ala
 65 70 75 80
 Val Tyr Ser Leu Gly Arg Leu Val Ser Arg Gly Gln Gly Thr Ala Glu
 85 90 95
 Gly Thr Arg Lys Gln His Ile Ala Glu Thr Glu Ser Pro Tyr Gln Glu
 100 105 110
 Leu Gln Gly Gln Arg His Glu Val Tyr Ser Asp Leu Asn Thr Gln Arg
 115 120 125
 Gln Tyr Tyr Arg Xaa Ala His Ser Met Pro Ile Ser Gly Leu Met Pro
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 145 150 155 160
 Gly Leu Pro Leu Glu Tyr Arg Ser Thr Gly Tyr
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 <222> (120)
 <223> Any amino acid

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 35 40 45
 Val Leu Ala Gly Ile Val Leu Gly Asp Leu Val Leu Thr Leu Leu Ile
 50 55 60
 Ala Leu Ala Val Tyr Ser Leu Gly Arg Leu Val Ser Arg Gly Gln Gly
 65 70 75 80

Thr Ala Glu Gly Thr Arg Lys Gln His Ile Ala Glu Thr Glu Ser Pro
85 90 95

Tyr Gln Glu Leu Gln Gly Gln Arg Pro Glu Val Tyr Ser Asp Leu Asn
100 105 110

Thr Gln Arg Gln Tyr Tyr Arg Xaa Ala His Ser
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<222> (106)
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20 25 30

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35 40 45

Leu Ile Ala Leu Ala Val Tyr Ser Leu Gly Arg Leu Val Ser Arg Gly
50 55 60

Gln Gly Thr Ala Glu Gly Thr Arg Lys Gln His Ile Ala Glu Thr Glu
65 70 75 80

Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg His Glu Val Tyr Ser Asp
85 90 95

Leu Asn Thr Gln Arg Gln Tyr Tyr Arg Xaa Ala His Ser Met Pro Ile
100 105 110

Ser Gly Leu Met Pro Gly Ser Gly His Ser Arg Cys
115 120

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<211> 133
<212> PRT
<213> Mus musculus

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<221> MOD_RES
<222> (128)
<223> Any amino acid

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 35 40
 Asp Cys Ser Ser Val Ser Pro Gly Val Leu Ala Gly Ile Val Leu Gly 60
 50 55
 Asp Leu Val Leu Thr Leu Leu Ile Ala Leu Ala Val Tyr Ser Leu Gly 80
 65 70 75
 Arg Leu Val Ser Arg Gly Gln Gly Thr Ala Glu Gly Thr Arg Lys Gln 95
 85 90
 His Ile Ala Glu Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg 110
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 <222> (104)
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 35 40 45
 Ala Leu Ala Val Tyr Ser Leu Gly Arg Leu Val Ser Arg Gly Gln Gly
 50 55 60
 Thr Ala Glu Gly Thr Arg Lys Gln His Ile Ala Glu Thr Glu Ser Pro
 65 70 75 80
 Tyr Gln Glu Leu Gln Gly Gln Arg Pro Glu Val Tyr Ser Asp Leu Asn
 85 90 95
 Thr Gln Arg Arg Tyr Tyr Arg Xaa Ala His Ser Met Pro Ile Ser Gly
 100 105 110
 Leu Met Pro Gly Ser Gly His Ser Arg Cys Leu Leu Asn Lys Pro Phe
 115 120 125
 Cys Gly Ile Arg Thr Pro Val Gly Ile Gln Ile His Arg Val Pro Pro
 130 135 140
 Xaa Asp Ile Xaa His Cys Thr Ile Ser Val Pro Lys Xaa Lys Thr Asp
 145 150 155 160

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 <211> 570
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Consensus
 sequence

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 aacaacacat tgetgagact gagtgcctt atcaggagct tcagggticag agacmwgaag 360
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<210> 17
 <211> 126
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Consensus

sequence

<220>
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 <222> (108)
 <223> Any amino acid

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 35 40 45
 Thr Leu Leu Ile Ala Leu Ala Val Tyr Ser Leu Gly Arg Leu Val Ser
 50 55 60
 Arg Gly Gln Gly Thr Ala Glu Gly Thr Arg Lys Gln His Ile Ala Glu
 65 70 75 80
 Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg Pro Glu Val Tyr
 85 90 95
 Ser Asp Leu Asn Thr Gln Arg Gln Tyr Tyr Arg Xaa Ala His Ser Met
 100 105 110
 Pro Ile Ser Gly Leu Met Pro Gly Ser Gly His Ser Arg Cys
 115 120 125

<210> 18
 <211> 2838
 <212> DNA
 <213> Mus musculus

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<210> 19
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 19
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<210> 20
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 20
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21

<210> 21

<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 21
agtccccgtac aggcccgagag t

21

<210> 22
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 22
cagagtcac accaagtcac c

21

<210> 23
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 23
ggtgacttgg tgttgactct g

21

<210> 24
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 24
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<210> 25
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 25
caacacattg ctgagactga g

21

<210> 26
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 26
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<210> 27
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 <212> DNA
 <213> Mus musculus

<220>
 <221> CDS
 <222> (1)..(333)

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ctg act gtg gag gga tta agt ccc gta cag gcc cag agt gac act ttc 96
 Leu Thr Val Glu Gly Leu Ser Pro Val Gln Ala Gln Ser Asp Thr Phe
 20 25 30

cca aga tgc gac tgt tct tcc gtg agc cct ggt gta ctg gct ggg att 144
 Pro Arg Cys Asp Cys Ser Ser Val Ser Pro Gly Val Leu Ala Gly Ile
 35 40 45

gtt ctg ggt gac ttg gtg ttg act ctg ctg att gcc ctg gct gtg tac 192
 Val Leu Gly Asp Leu Val Leu Thr Leu Leu Ile Ala Leu Ala Val Tyr
 50 55 60

tct ctg ggc cgc ctg gtc tcc cga ggt caa gag agg acc cgg aaa caa 240
 Ser Leu Gly Arg Leu Val Ser Arg Gly Gln Glu Arg Thr Arg Lys Gln
 65 70 75 80

cac att gct gag act gag tgg cct tat cag gag ctt cag ggt cag aga 288
 His Ile Ala Glu Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg
 85 90 95

cat gaa gta tac agt gac ctc aac aca cag agg caa tat tac aga 333
 His Glu Val Tyr Ser Asp Leu Asn Thr Gln Arg Gln Tyr Tyr Arg
 100 105 110

tgagcccat ctatgccat cagcggcctg atgcccggat ccggtcattc cagatgccta 393
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<212> PRT
<213> Mus musculus

<400> 28
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Pro Arg Cys Asp Cys Ser Ser Val Ser Pro Gly Val Leu Ala Gly Ile
35 40 45
Val Leu Gly Asp Leu Val Leu Thr Leu Leu Ile Ala Leu Ala Val Tyr
50 55 60
Ser Leu Gly Arg Leu Val Ser Arg Gly Gln Glu Arg Thr Arg Lys Gln
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His Ile Ala Glu Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg
85 90 95
His Glu Val Tyr Ser Asp Leu Asn Thr Gln Arg Gln Tyr Tyr Arg
100 105 110

<210> 29
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

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31

<210> 30
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

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46

<210> 31
<211> 431
<212> DNA
<213> Mus musculus

<400> 31
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Leu Thr Val Leu Gly Leu Ser Pro Val Gln Ala Gln Ser Asp Thr Phe
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Pro Arg Cys Asp Cys Ser Ser Val Pro Gly Val Leu Ala Gly Ile Val
 35 40 45

Leu Gly Asp Leu Val Leu Thr Leu Leu Ile Ala Leu Ala Tyr Ser Leu
 50 55 60

Gly Arg Leu Val Ser Arg Gly Gln Glu Arg Thr Arg Lys Gln His Ile
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Ala Glu Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg Pro Glu
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Val Tyr Ser Asp Leu Asn Thr Gln Arg Gln Tyr Tyr Arg
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Pro Arg Cys Asp Cys Ser Ser Val Ser Pro Gly Val Leu Ala Gly Ile
 35 40 45

Val Leu Gly Asp Leu Val Leu Thr Leu Leu Ile Ala Leu Ala Val Ile
 50 55 60

Ser Leu Gly Arg Leu Val Ser Arg Gly Gln Glu Arg Thr Arg Lys Gln
 65 70 75 80

His Ile Ala Arg Thr Glu Ser Pro Tyr Gln Glu Leu Gln Gly Gln Arg
 85 90 95

Pro Glu Val Tyr Ser Asp Leu Arg Thr Gln Arg Gln Tyr Tyr Arg
 100 105 110